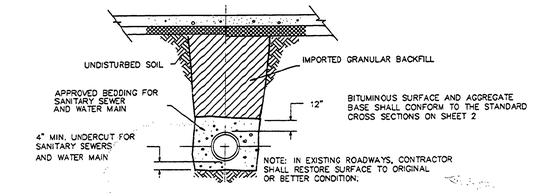
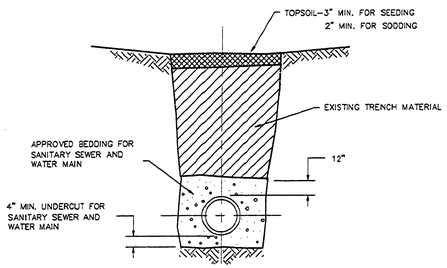


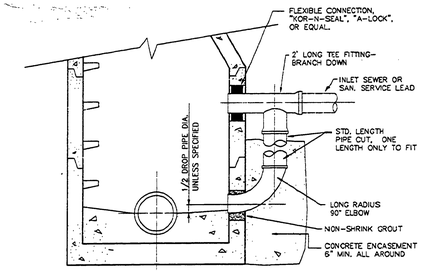
TRENCH BACKFILL UNDER ROADWAY

NO SCALE



NORMAL TRENCH BACKFILL

NO SCALE

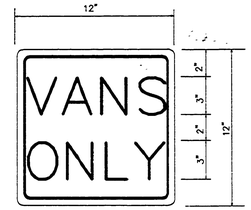


NOTE:
FOR 8" DIA. SEWERS WITH DROP CONNECTION, THE DROP PIPE SHALL BE 6" DIA. FOR SEWERS 10" AND LARGER, THE DROP PIPE SHALL BE ONE SIZE SMALLER THAN THE MAIN LINE.

STANDARD DROP PIPE DETAIL

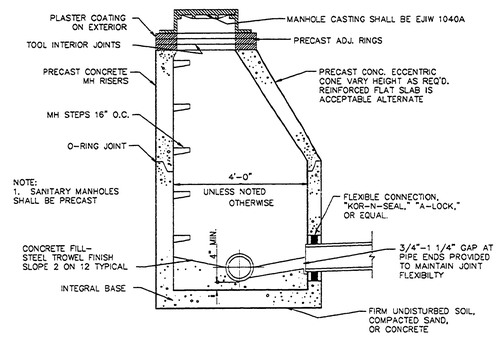
NO SCALE

NOTE:
AT THE EXISTING MANHOLE THE CONTRACTOR, AT HIS OPTION, MAY REMOVE THE EXISTING DROP PIPE AND INSTALL A NEW DROP PIPE PER THIS DETAIL OR REMOVE A PORTION OF THE EXISTING DROP PIPE AND CONNECT TO THE REMAINING PORTION. THE CONNECTION TO THE EXISTING DROP PIPE SHALL UTILIZE A FERNCO COUPLING.



SIGN SHALL BE GREEN LETTERING ON WHITE BACKGROUND WITH GREEN BORDER.

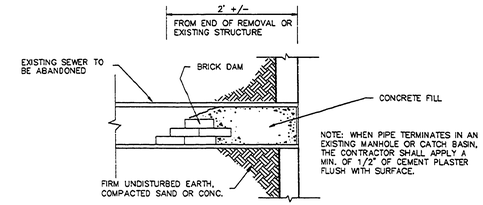
VANS ONLY SIGN DETAIL



NOTE:
1. SANITARY MANHOLES SHALL BE PRECAST

STANDARD SANITARY MANHOLE

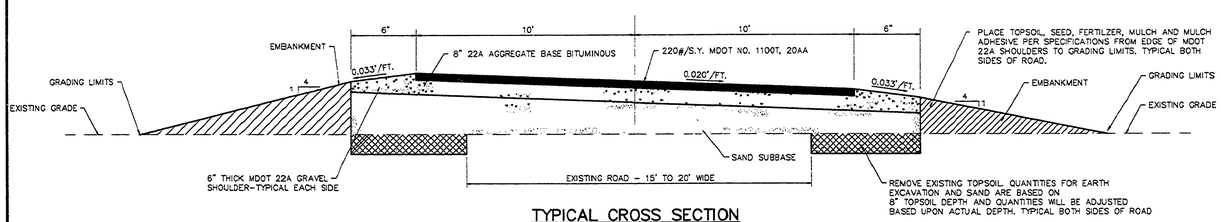
NO SCALE



BULKHEAD DETAIL FOR ABANDONED SEWERS

GENERAL NOTES

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN TRAFFIC CONTROL DEVICES FOR PROTECTING AND REGULATING TRAFFIC WITHIN THE PROJECT WORK AREA. THE COST OF ALL TRAFFIC CONTROL DEVICES SHALL BE INCLUDED WITH THE MACHINE GRADING MODIFIED ITEMS.
2. ALL TOPSOIL WITHIN THE GRADING LIMITS MAY BE STOCKPILED FOR REUSE.
3. ALL DISTURBED AREAS BEYOND THE EDGE OF GRAVEL SHOULDERS ON PARKING LOTS OR PARKING LOT ROADS SHALL BE RESTORED WITH 3 INCHES OF TOPSOIL, FERTILIZER, SEED, MULCH AND MULCH ADHESIVE.
4. ALL NON-REGULATORY SIGNS WITHIN THE GRADING LIMITS SHALL BE REMOVED AND REPLACED AFTER TOPSOIL HAS BEEN PLACED AND GRADED. COST OF REMOVAL AND REPLACEMENT OF THE SIGNS SHALL BE INCLUDED WITH THE MACHINE GRADING MODIFIED ITEMS.
5. NEW PARKING RAILS SHALL CONFORM TO MDOT STANDARD DETAIL III-74D TITLED "BUMPER AND PARKING RAILS, AND MISC. WOOD POSTS" THE NEW RAILS SHALL BE ANCHORED WITH NEW 5/8"ø X 1'-4" LONG STEEL BARS - 3 PER RAIL.
6. CONTRACTOR SHALL REMOVE ONLY THOSE TREES SPECIFICALLY NOTED FOR REMOVAL. ALL OTHER TREES SHALL BE PROTECTED AND MAY BE REMOVED ONLY UPON THE WRITTEN AUTHORIZATION OF THE OWNER. REMOVAL OF TREES AND BRUSH OF LESS THAN 8"ø SHALL BE INCLUDED IN THE COST OF MACHINE GRADING MODIFIED.
7. CONTRACTOR SHALL REMOVE ALL EXCESS EXCAVATED MATERIAL FROM THE PROJECT SITE WHICH CAN NOT BE INCORPORATED INTO THE WORK.
8. CONTRACTOR SHALL REMOVE ALL TREES AND STUMPS FROM THE PROJECT SITE WHICH ARE REMOVED AS PART OF THE WORK. BURNING OF TREES, STUMPS, AND LIMBS ON SITE WILL NOT BE PERMITTED.
9. USE TWO BENCH MARKS FOR VERIFICATIONS OF GRADE FOR ALL CONSTRUCTION.
10. ALL GRADES AND ALIGNMENT OF THE EXISTING SEWERS ARE BASED ON THE ASSUMPTION THAT THE SEWER IS ON A STRAIGHT GRADE AND ALIGNMENT BETWEEN MANHOLES AND IS NOT TO BE CONSTRUED AS TO BE TRUE GRADE AND ALIGNMENT. THE GRADES AND ALIGNMENT HAVE BEEN SHOWN ONLY FOR THE CONTRACTOR'S REFERENCE.
11. EXISTING WATER MAINS, GAS MAINS AND UNDERGROUND TELEPHONE, ELECTRIC AND CABLE TELEVISION CONDUITS AND/OR LINES MAY BE SHOWN ONLY IN THE PLAN VIEW OF THE CONSTRUCTION DRAWINGS. THE EXACT DEPTH AND LOCATIONS OF THESE UTILITIES IS NOT KNOWN AND THEREFORE, NO ATTEMPT HAS BEEN MADE TO SHOW SUCH UTILITIES IN THE PLAN OR PROFILE OF THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THESE UTILITIES WHICH ARE NOT WITHIN THE SPACE OCCUPIED BY COMPLETED PIPES OR STRUCTURES THAT ARE PART OF THIS CONTRACT, DURING CONSTRUCTION. IF DAMAGED OR DESTROYED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS TO REPAIR OR REPLACE THEM AT NO ADDITIONAL EXPENSE TO THE OWNER.
12. ESTIMATED QUANTITIES INDICATED ON THE PLANS ARE INCLUDED FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL USE HIS OWN INDEPENDENT JUDGEMENT AS TO THE ACCURACY OF THE QUANTITIES STATED ON THE PLANS.
13. BIDS FOR CONSTRUCTION OF ALL WORK SHOWN ON THE PLANS ARE SOLICITED ON A LUMP SUM BASIS. NO SEPARATE PAYMENT OR ADJUSTMENTS TO THE LUMP SUM BID WILL BE MADE UNLESS SPECIFICALLY INDICATED ON THE PLANS AND IN THE PROPOSAL.

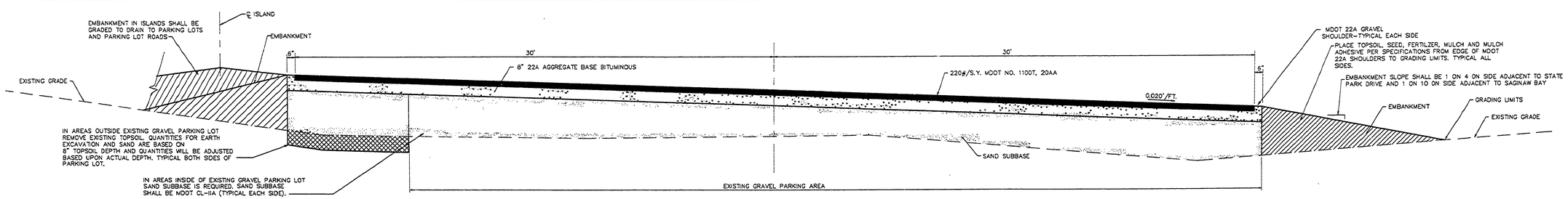


TYPICAL CROSS SECTION PARKING LOT ROAD

NO SCALE

NOTE:
PARKING LOT ROADS ARE TO BE A TILTED SECTION SLOPED TO THE OUTSIDE OF THE ROADWAY.

NOTE:
EMBANKMENT SLOPE SHALL BE 1 ON 4 ON SIDE ADJACENT TO STATE PARK DRIVE AND 1 ON 10 ON SIDE ADJACENT TO SAGINAW BAY



TYPICAL CROSS SECTION PARKING LOT

NO SCALE

NOTE:
PARKING LOTS ARE TO BE A TIPPED SECTION SLOPED TO THE OUTSIDE OF THE PARKING LOT.

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DRN'N BY:	SAH
DES'D. BY:	GJF
CK'D BY:	GDA
APP'D BY:	

Capital Consultants, Inc. ENGINEERS

STATE OF MICHIGAN
DEPARTMENT OF MANAGEMENT AND BUDGET
Office of Facilities

QUALITY OF LIFE RECREATION BOND
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PARKS DIVISION - STATE ACCT. NO. 607-75-2450-400

BAY CITY STATE PARK
TYPICAL CROSS SECTIONS
& GENERAL PLAN NOTES

SCALE: NO SCALE
PROJ. NO.: 90135
SHEET 2 OF 7